

Subject: INFO-HAMS Digest V89 #897
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

INFO-HAMS Digest Fri, 17 Nov 89 Volume 89 : Issue 897

Today's Topics:

 radar laws?
Returned mail: User unknown
SilkScreen for QSL cards?
Spy numbers transmissions

Date: 18 Nov 89 00:24:22 GMT
From: umigw!mthvax.cs.miami.edu!wb8foz@handies.ucar.edu (David Leshner)
Subject: radar laws?

The output power is less than 100
milliwatts. I beleive that you don't have to be lisenced to use under 100
mW. To the best of my knowledge police are not lisenced.

Sorry Charlie, only the best tasting tuna...

1) On the wall of every department I visited hung both the comm
licences (with a c) and the radar one. It was titled
"radiolocation service" or such, and it seems to me that it
specified a maximum number of units. I checked to make sure they
had not expired. The Chief tends to get POed about nasty letters
from those DC types....

2) FCC Field Enforcement types used to get nailed in a trap,
generally in a small town. When they told the cop
 "let's see YOUR licence, too"
the ticket magically disappeared. Alas, the small
towns soon learned this lesson, and did the needed paperwork.

--
A host is a host & from coast to coast...wb8foz@mthvax.cs.miami.edu
no one will talk to a host that's close.....(305) 255-RTFM
Unless the host (that isn't close).....pob 570-335
is busy, hung or dead.....33257-0335

Date: Fri, 17 Nov 89 18:38:04 -0800
From: MAILER-DAEMON@decwrl.dec.com (Mail Delivery Subsystem)
Subject: Returned mail: User unknown

----- Transcript of session follows -----

While talking to /usr/bin/mail11v3:

>>> RCPT To:<dpdmai::hicks>

<<< 550-DPDMAI::HICKS; %MAIL-E-NOSUCHUSR, no such user HICKS at node DPD05

<<< 550

550 <hicks@dpdmai.enet.dec.com>... User unknown

----- Unsent message follows -----

Received: by decwrl.dec.com; id AA28085; Fri, 17 Nov 89 18:38:04 -0800

Message-Id: <8911180238.AA28085@decwrl.dec.com>

Date: 17 Nov 89 18:34:00 PDT

From: info-hams@wsmr-simtel20.army.mil

Subject: INFO-HAMS Digest V89 #895

To: "hicks" <hicks@dpdmai.enet>

Return-Path: <@consrt.rok.com,@consrt.rok.com,@wsmr-simtel20.army.mil:info-hams-request@wsmr-simtel20.army.mil>

Received: from consrt.rok.com by consrt.rok.com with SMTP ;
Fri, 17 Nov 89 17:33:15 PDT

Received: from consrt.rok.com by consrt.rok.com with SMTP ;
Fri, 17 Nov 89 17:30:18 PDT

Received: from lcs.mit.edu by consrt.rok.com with SMTP ;
Fri, 17 Nov 89 17:27:53 PDT

Received: by mintaka.lcs.mit.edu id ac11215; 17 Nov 89 21:20 EST

Received: from WSMR-SIMTEL20.ARMY.MIL by mintaka.lcs.mit.edu id aa16212;
17 Nov 89 21:05 EST

Date: Fri, 17 Nov 89 17:15:18 MST

From: INFO-HAMS-REQUEST@wsmr-simtel20.army.mil

Reply-To: INFO-HAMS@wsmr-simtel20.army.mil

Subject: INFO-HAMS Digest V89 #895

To: INFO-HAMS@wsmr-simtel20.army.mil

Message-ID: <8911172106.aa16212@mintaka.lcs.mit.edu>

INFO-HAMS Digest

Fri, 17 Nov 89

Volume 89 : Issue 895

Today's Topics:

airport security (really aircraft EMI)

AR on TV, now celebrities (2 msgs)

FM Parasitics....

FTP Access to FCC Stacks and Morse Code Program

How to change a Yaesu FRG-7700 receiver

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looking for catalog of used HF gear

Microwave hops on localtalk network

OSCAR 13 - Need tracking info!!!

Program for CAT system on Yaesu FT-747GX

Date: 17 Nov 89 16:46:17 GMT
From: cs.utexas.edu!asuvax!hrc!valley!pfluegerm@tut.cis.ohio-state.edu (Mike Pflueger)
Subject: airport security (really aircraft EMI)

With fly-by-wire technology coming to commercial aviation, I am getting particularly nervous about EMI from ANY electronics...

I knew someone who worked on these systems; based on some of the stories he told me, it would make me a little nervous to even turn on the overhead light...

re: carrying on HT's - I've been flying round trips at least twice a month lately, in addition to my normal 4 times a year or so. In the last 4 years, They've only looked in my briefcase to see the HT a couple of times, but never wanted it turned on or questioned about my license or intended use. I've never been checked when the antenna is removed. Surprises me they aren't more curious. Also see lots of cellular phones carried on, but never any warning...

--

Mike Pflueger @ AG Communication Systems (formerly GTE Comm. Sys.), Phoenix, AZ
UUCP: {...!ames!ncar!noao!asuvax | uunet!zardoz!hrc | att}!gtephx!pfluegerm
Work: 602-582-7049 FAX: 602-581-4850 Home: 602-439-1978
Packet: WD8KPZ @ W1FJI

Date: 17 Nov 89 21:03:45 GMT
From: mailrus!accuvax.nwu.edu!tank!eeca!cps3xx!usenet@tut.cis.ohio-state.edu (Usenet file owner)
Subject: AR on TV, now celebrities

In article <8911170805.AA23062@ucbvax.Berkeley.EDU> faunt@CISCO.COM (Doug Faunt N6TQS 415-688-8269) writes:

%The newest Newsline claims that Marlon Brando has had many different %ham calls, and that a biographer is looking for people who may have %had contacts with him. I looked up Brando on marvin, with no results. %He probably has a real name that he has on his license.

I heard a while back that he now lives on a colonial French island in the Pacific, and he has a F* callsign. I also understand he is spelling his name "Brandeau" or "Brandeaux".

In the rare case that original ideas are found here, I am responsible.
Internet: hendrick@frith.egr.msu.edu

Kenneth J. Hendrickson N8DGN
Owen W328, E. Lansing, MI 48825
UUCP: ...!uunet!frith!hendrick

Date: 17 Nov 89 23:09:36 GMT
From: gem.mps.ohio-state.edu!sunnybcs!bowen@tut.cis.ohio-state.edu (Devon Bowen)
Subject: AR on TV, now celebrities

In article <128036@sun.Eng.Sun.COM>, kirk%enterprise@Sun.COM ('Captain'
Kirk DeHaan) writes:
> From what I heard his callsign is not a US callsign. Does marvin have
> international callsigns also?

No, but if anyone has access to that data, I'm interested.

Devon

Date: 17 Nov 89 21:17:38 GMT
From: shlump.nac.dec.com!delni.enet.dec.com!goldstein@decwrl.dec.com
Subject: FM Parasitics....

This came up in comp.dcom.telecom a few months ago, though it was
mentioned here.

If you're an AM station, then anything that'll rectify will pick
you up. Nothing you can do about it. That's the nature of AM.

BUT since I think you're an FM station, you should nominally have
zero "AM component" on your signal. That means if you feed it
into a diode you get DC, not recovered audio. Obviously it's not
working that way!

The problem is sometimes caused "synchronous AM", if I recall.
It's caused by mis-tuning the FM transmitter. If the final amplifier
stage is peaked too tightly, then when there's audio, its amplitude
will vary a bit, causing AM to be generated. You get MORE power out
this way, but it causes this type of interference and usually means
you're putting out more power than the FCC intended your transmitter to
put out. (The efficiency goes up beyond the rated value!)

The fix is to retune the transmitter according to spec. It may take
a bit of manufacturer's help but one hopes the instructions are
adequate. If that doesn't do it, call the transmitter manufacturer.
fred klio (former chief eng. of WSPN Saratoga Springs NY)

Date: 17 Nov 89 22:13:17 GMT
From: gem.mps.ohio-state.edu!samsung!shadooby!sharkey!dino!ux1.cso.uiuc.edu!tank!

pbhx@tut.cis.ohio-state.edu (Peter B. Hayward)
Subject: FTP Access to FCC Stacks and Morse Code Program

(Please don't flame me for correcting this again; I am having
a terrible day.)

The archives at the University of Chicago have now been updated
with the most recent versions of Diana Syriac's hypercard
stacks for the ham exams.

Novice V2.0
Technician V2.0
General V1.0
Technician V2.0

Also in the archive is a morse code program.

The net address is

tank@uchicago.edu

(or if numbers are your life... 128.135.4.27)

Using FTP, login as anonymous with any password. The files are
in /pub/public

--

Peter B. Hayward
University of Chicago Computing Organizations
pbhx@tank.uchicago.edu

N9IZT
.....mimsy!oddjob!tank!pbhx

Date: 17 Nov 89 23:09:34 GMT
From: amdahl!daf00@apple.com (Dana Freiburger)
Subject: How to change a Yaesu FRG-7700 receiver

Does anyone know how to change the format of the clock display
on a Yaesu FRG-7700 receiver from 12-hour AM/PM format to a 24-hour
format? The schematic shows the clock chip to be a MSM5524RS IC and
I can't find a parts book with any info on it. I was hoping to find
a pin which could be used to select the 24-hour format.

Also, has anyone changed the bandwidth filters on this radio? It
has narrow/medium/wide values of 2.7khz/6khz/12khz. I would be
interested if you have changed filters to get a tighter bandwidth
and how you did it.

Thanks in advance for the help.

Dana Freiburger
Amdahl Corporation
Sunnyvale, CA
(408) 746-3414
daf00@uts.amdahl.com

Date: Fri, 17 Nov 89 15:06:39 EST
From: aardvark@marvin.prime.com (Don Koch)
Subject: INFO-HAMS Digest V89 #876

please take me off the mailing list

Done.

Date: 17 Nov 89 18:15:52 GMT
From: inp@violet.Berkeley.EDU (Bob Tidd)
Subject: looking for catalog of used HF gear

I'm looking for a summary of used HF gear.
If none exists, I might consider compiling such a list.
It would be a great help to anyone entering the hobby
or buying a used rig to have a summary of used gear,
typical price ranges, age, and a short summary of features
and [dis]advantages, size and weight, etc.

If no such list exists, would YOU be willing to submit an
entry for one or two rigs you have bought?

As usual, I will summarize email responses for the net.
Tnx es 73, Bob KJ6CS

Date: 16 Nov 89 17:31:21 GMT
From: hpda!hpcuhb!hp-ses!hpcc01!hpccc!hpl-opus!hpnmdla!glenne@ucbvax.Berkeley.EDU
(Glenn Elmore)
Subject: Microwave hops on localtalk network

Stu,
See December issue of Ham Radio Magazine.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@nmd.hpcom

Date: 16 Nov 89 17:40:12 GMT
From: hpda!hpcuhb!hp-ses!hpcc01!hpccc!hpl-opus!labelle@ucbvax.Berkeley.EDU
(George LaBelle)
Subject: OSCAR 13 - Need tracking info!!!

I would like to work through OSCAR 13, mode B.

Just joined AMSAT and was told all the software they have is for PCs. I don't have one. Is there anyone with C-code for tracking satellites? What other options do I have? How about a hardcopy of the apogee for next few months?

How about formulas and data - I'll write my own.

George La Belle
Hewlett Packard Labs
P.O. Box 10490
Palo Alto, Ca. 94303
phone
ham
uucp: hplabs!hpl-opus!labelle
smtp: labelle@hpl-opus
arpanet: labelle%hpl-opus@hp-sde.hp.com
hpdesk: GEORGE LABELLE /HP1900/UX
(415) 857-4679
WB6YZZ

Date: 17 Nov 89 21:59:40 GMT
From: gem.mps.ohio-state.edu!usc!sdsu!ucselx!sunstroke.sdsu.edu!
amagnet@tut.cis.ohio-state.edu (Andrew Magnet)
Subject: Program for CAT system on Yaesu FT-747GX

Does anyone know of a program that wil run on an IBM PC
so that I can utilize my CAT system on the Yaesu FT-747GX ?

Andy Magnet (N6OSR)
amagnet@sunstroke.sdsu.edu

End of INFO-HAMS Digest V89 Issue #895

Date: 18 Nov 89 02:27:43 GMT

From: pasteur!helios.ee.lbl.gov!ux1.lbl.gov!mikec@uchvax.Berkeley.EDU (Mike Chin)

Subject: SilkScreen for QSL cards?

Has anybody experimented with using those ~\$20 silkscreen kits for creating QSL cards? Would fine lines (as generated by a laser printer) become blurry?

I'm a low-volume HF-type; I just filled up my first log sheet last night after ~6mos of 1 contact every few nights. It seems it would be more classy to send a silkscreened postcard, rather than a xerox.

Mike Chin n6vth
MJChin@lbl.gov

Date: 17 Nov 89 20:09:58 GMT

From: fox!portal!cup.portal.com!Havana_-_Moon@apple.com

Subject: Spy numbers transmissions

In his article, neal@lynx.uucp (Neal Woodall) writes:

>You are somewhat correct, but I can clarify what you
>have posted....

Neal gives good information. He references the source as Popular Communications Magazine - with some very few exceptions - the "Numbers" articles published in Popular Communications have been mine. I offer the following to further elaborate on a subject which has fascinated me for much longer than I care to acknowledge.

As Neal notes, some few numbers transmission sites have been identified, most notably in Warrenton and Remington, Virginia and Miami, Florida. Also, live (non-computer generated) 5-digit Spanish transmissions have been traced to a site in the vicinity of the Galapagos Islands.

A new - and totally amazing - site has very recently been identified with the aid of extremely sophisticated RDF (Radio

Direction Finding) equipment. Specific information about this location will be published in the December edition of the Umbra et Lux Newsletter. Further, the purpose and suspected identities of those responsible for SOME forms of numbers transmissions will be detailed in the January edition of UeL.

(UeL is available for the asking and a #10 SASE sent to DX/SWL Press, 10606-8 Camino Ruiz, Department UKK#, Suite 174, San Diego, CA 92126)

Regarding what appears to be a widespread belief that these numbers are to be decoded using a one-time pad or derivative, it is curious to note that in many cases, the same 5 digit group repeats 3-4 times in a single crypt.

Additionally, these messages are often repeated from week to week, and in some cases from month to month. It has been noted that the tapes are repeated so often that tape breaks sometimes occur, and when spliced back together, one digit of a group will have been spliced out, resulting in a not uncommon situation where a four digit group will be found mixed in with the other five-digit groups!

It would therefore appear that much of this traffic is 'phantom' or 'dummy' in nature, or without any real meaning other than to keep a frequency open over a long period of time.

The majority of 5-digit Spanish transmissions are badly overmodulated. The end result is extreme signal distortion and numerous spurs up and down frequency. Spurs can often be heard from 15-25 kHz on either side of the carrier frequency. Even with the NRD-525's narrow filter, this anomaly is often observed.

So it appears that while the individuals responsible are very skilled at maintaining their anonymity, their technical abilities leave much to be desired. It's worth noting that this same technical ineptitude is NOT noted in 4-Digit Spanish or English transmissions.

Assuming that these transmissions are of some importance, it would behoove those responsible to endeavor to 'clean up their act.' They are often so badly distorted that it is extremely difficult to copy an entire crypt without numerous errors. As an example, the numbers 'sies' and 'siete' are almost indistinguishable when broadcast under such conditions.

Readers should be aware that there is probably no SINGLE explanation for these curious transmissions. Several distinctly different numbers transmission formats have

been studied and identified and the findings published -
("Uno, Dos Cuatro: A Guide To The Numbers Stations, Havana Moon,
Tiare Publications, 1987. ISBN 0-936653-06-X.)

Unfortunately, the sheer volume and global implications of this
unceasingly fascinating topic have conspired to prohibit all but
the most very basic research into the subject. Oh, for enough
time and money . . .

By way of interest - it has been reported that German submarines
during WWII received weather information by way of 5-digit
German numbers transmissions. Any further information in this
regard would be greatly appreciated.

Havana Moon

End of INFO-HAMS Digest V89 Issue #897
